

Securing the 21st Century Power Grid and the Role of Energy Storage

Welcome: Overview of Energy Storage Session During the EAC June 2017 Meeting

Presented by the Energy Storage Subcommittee Chair, Merwin Brown, CIEE
To the Electricity Advisory Committee, June, 8, 2017



EAC Energy Storage Subcommittee Role

1. The Energy Independence and Security Act (EISA) of 2007 directs the EAC, through its Energy Storage Subcommittee, to advise the Secretary on “basic and applied research so that the United States retains a globally competitive domestic energy storage industry for electric drive vehicles, stationary applications, and electricity transmission and distribution.”
2. To help formulate recommendations for DOE, the EAC often turns to public and private sector stakeholders and experts to assess the state of the art of energy storage development and deployment, and the research needed to fulfill the EISA of 2007 directive.

Securing the 21st Century Power Grid and the Role of Energy Storage Work Product

1. Past EAC work products,* and others, identified energy storage as an element of interest as a special asset class for modernization the electric grid.
2. The EAC through its ES subcommittee will examine the potential role for energy storage to provide backup/resiliency/reliability services when the grid is down, while also providing necessary grid operations services to the grid when the grid is up.
3. The core work product activity will be to conduct a facilitated, discussion-oriented public session of the EAC with invited expert speakers, along with industry, academic and public-sector participants.

* Ex: *ARRA Accomplishments and Recommendations for Moving Forward*, published September, 30, 2015

Introducing EAC Member, Janice Lin, as Facilitator

1. An enthusiastic member of the EAC energy storage subcommittee
2. CEO of Strategen Consulting, advisory firm specializing in clean energy and grid transformation
3. Founder and Executive Director of the California Energy Storage Alliance, world's first advocacy group to represent energy storage in the power sector
4. Co Founder and Chair of Energy Storage North America, the largest grid connected energy storage conference in North America